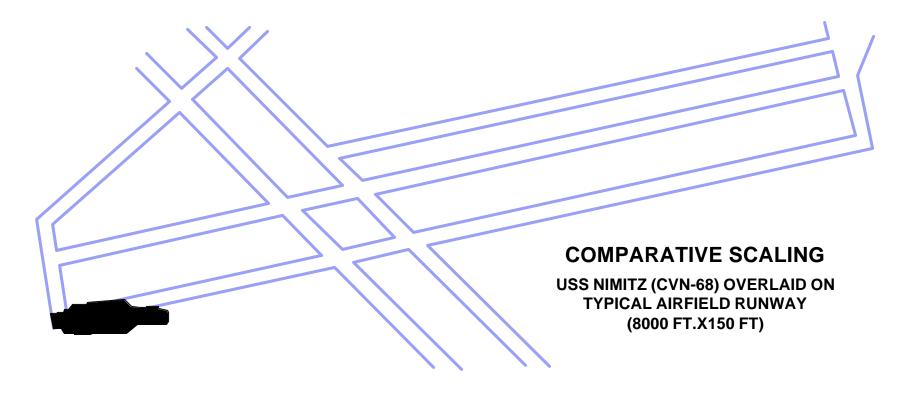


OUTLINE

- WHO WE ARE
- WHERE WE ARE GOING
- ENABLING TECHNOLOGIES AND PLATFORMS



NAVAL AVIATION IS UNIQUE



SEE THE WORLD THROUGH THE FLEET'S EYES AND MEASURE OUR SUCCESS BY THEIR SUCCESS

NAVAIR SITES



AIRCRAFT DIVISION, LAKEHURST, NJ

Provides aircraft launch and recovery expertise to the fleet.



AIRCRAFT DIVISION, PATUXENT RIVER, MD

Provides acquisition management, research and development capabilities, air and ground test and evaluation, aircraft logistics and maintenance management for Naval aviation.



TRAINING SYSTEMS DIVISION, ORLANDO, FL

Center for research, development, test and evaluation, acquisition and product support of training systems for the world.





WEAPONS DIVISION, CHINA LAKE & PT MUGU, CA

Provides our forces with effective and affordable integrated warfare systems and life cycle support to ensure battlespace dominance.



NAVAIR DEPOT, NORTH ISLAND, CA

Provides comprehensive quality aviation support to the nation's warfighters.

Aircraft: F/A-18 Hornet; E-2C Hawkeye; C-2 Greyhound; S-3 Viking; H-60 Seahawk



NAVAIR DEPOT, CHERRY POINT, NC

Delivers on time quality products and services for Naval aviation as service to the fleet.

Aircraft: AV-8B, Harrier; H-53, Sea Stallion; C-130, Hercules; H-46, Sea Knight; V-22, Osprey; VH-3, Presidential Helicopter



NAVAIR DEPOT, JACKSONVILLE, FL

Delivers high quality maintenance, engineering, logistics and support services to the fleet.

Aircraft: P-3 Orion; EA-6B Prowler, F-14 Tomcat, F/A-18 Hornet; S-3 Viking; SH-60 Seahawk



AIR ASW / ASUW

OUR PRODUCTS . . .

... MORE THAN AIRCRAFT AND WEAPONS, TOTAL SYSTEM CAPABILITY AND SUSTAINMENT

SEA BASED AIRCRAFT AND SYSTEMS



MARITIME WEAPONS



MARINE EXPEDITIONARY **AVIATION SYSTEMS**



ACQUISITION MANAGEMENT

PERFORM ACQUISITION MANAGEMENT FOR THE DEVELOPMENT, PRODUCTION, AND IN-SERVICE SUPPORT OF AIRCRAFT AND WEAPONS SYSTEMS

TEST AND EVALUATION

TEST AND EVALUATE AIRCRAFT, WEAPONS AND INTEGRATED **SYSTEMS**

REPAIR / **MODIFICATION**

PROVIDE FOR THE REPAIR AND / OR MODIFICATION OF AIRCRAFT, ENGINES, SYSTEMS AND COMPONENTS

IN-SERVICE ENGR &

PROVIDE FOR IN-SERVICE ENGINEERING AND LOGISTICS SUPPORT

LOGISTICS SUPPORT

CONDUCT EFFORTS FOCUSED ON THE ADVANCEMENT OF TECHNOLOGY, RESEARCH AND DEVELOPMENT AND DELIVERY OF SOFTWARE / HARDWARE PRODUCTS

TECHNOLOGY, R&D, **HW / SW PRODUCTS**

OPERATIONS

SUPPORT

DEVELOP / MAINTAIN COMPETENCY POLICIES. PROCEDURES & SUPPORT SERVICES. FACILITATE EFFECTIVE UTILIZATION OF INFRASTRUCTURE, SECURITY, LEGAL, FINANCIAL, HUMAN & INFORMATION RESOURCES

AIRCREW / MAINTENANCE TRAINING SYSTEMS





NAVAL AVIATION NETWORK CENTRIC WARFARE BLUEPRINTING FUTURE COMBAT CAPABILITY

WHERE WE ARE GOING . . .



NETWORK CENTRIC WARFARE

"... AN INFORMATION SUPERIORITY-ENABLED CONCEPT OF OPERATIONS THAT GENERATES INCREASED COMBAT POWER BY NETWORKING SENSORS, DECISION MAKERS, AND SHOOTERS" ¹

1) "NETWORK CENTRIC WARFARE - DEVELOPING AND LEVERAGING INFORMATION SUPERIORITY", 2ND EDITION (REVISED), DOD C4ISR COOPERATIVE RESEARCH PROGRAM, 1999

NAVAL AVIATION FORCENET

NAVAIR NETWORK CENTRIC WARFARE OFFICE

2002 NATIONAL DEFENSE INDUSTRIAL ASSOCIATION

DATE: FEBRUARY 2002

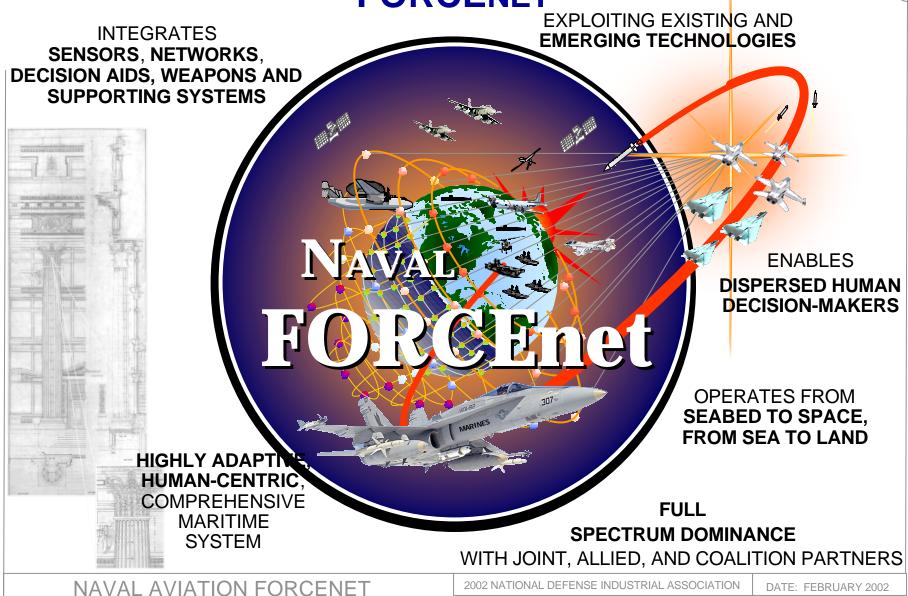
DELIVERED BY: VADM JOE DYER

VERSION: FINAL

VERSION: FINAL



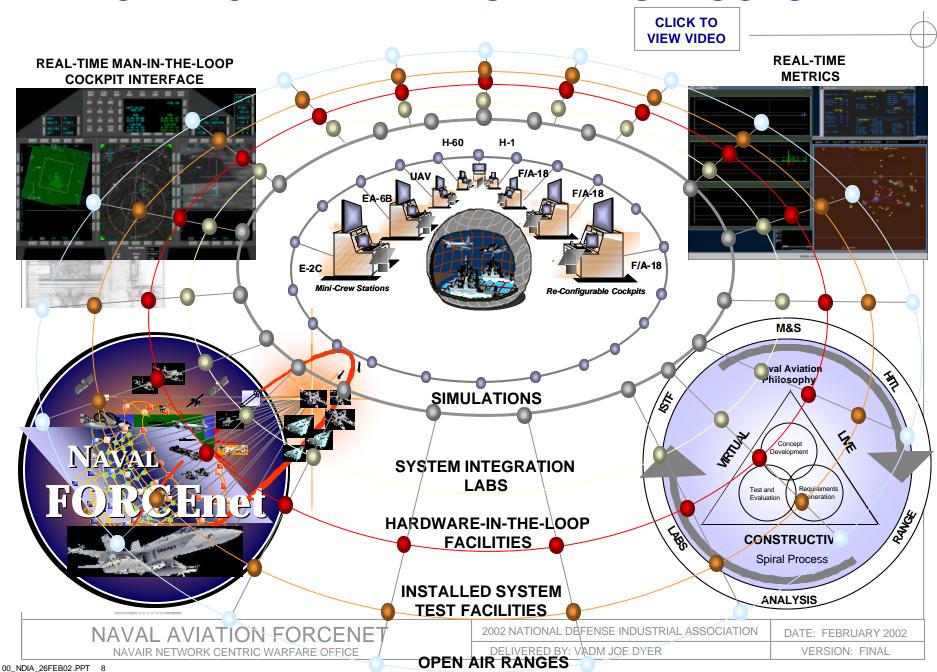
"EMBODIMENT OF NCW" – FORCENET



DELIVERED BY: VADM JOE DYER

NAVAIR NETWORK CENTRIC WARFARE OFFICE

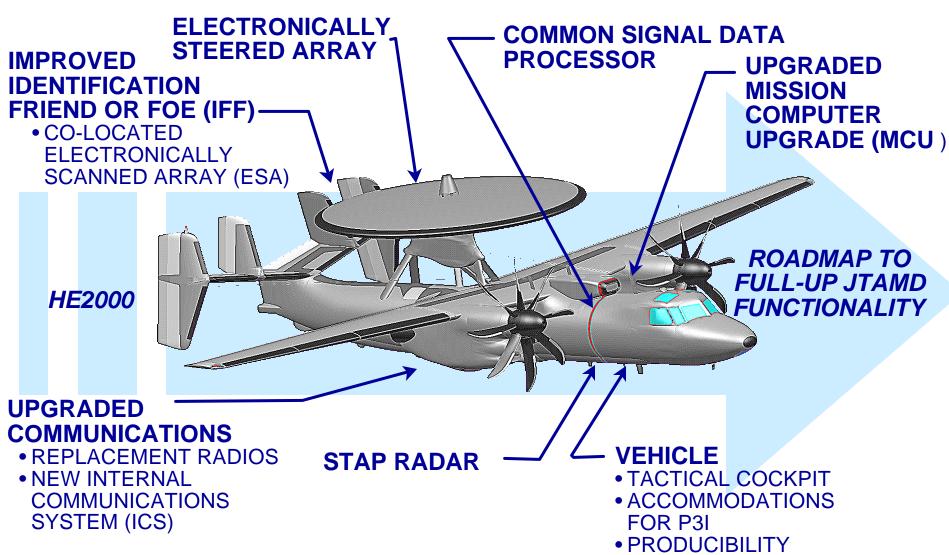
TOTAL CAPABILITY VS INFRASTRUCTURE





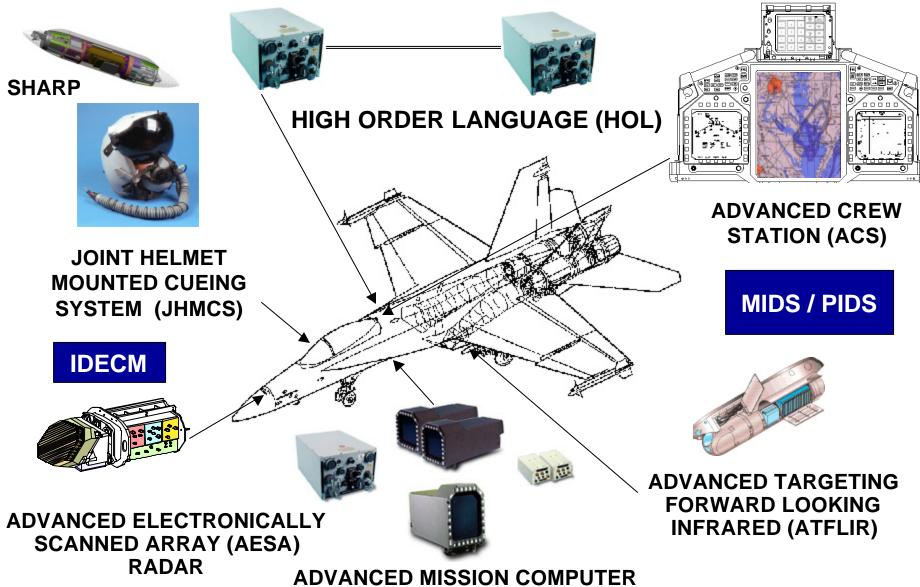


E-2C LITTORAL CONFIGURATION





F/A-18E/F FUTURE



AND DISPLAYS (AMC&D)



POTENTIAL CONFIGURATION FOR EA-6B FOLLOW ON



EA-6B HARDWARE

WRAS MOUNTED ON GUN BAY PALLET; ALL WRAS ACCESSIBLE THROUGH EXISTING AIRCRAFT DOORS

GUN REMOVED ... PROVISIONS RETAINED

00 NDIA 26FEB02.PPT 12

CARRIAGE OF 5 ALQ-99S (CL, MB, IB)

V-22 FUTURE



SUITE OF INTEGRATED RADIO FREQUENCY COUNTERMEASURES (SIRFC)

(VADR)

EMBEDDED GPS INERTIAL (EGI)

GROUND COLLISION AVOIDANCE WARNING SYSTEM (GCAWS)



MH-60 R / S PROGRAM



TCDL
KU BAND
REAL TIME SENSOR DATA LINK



ALQ-210 UPGRADED ESM

CSAR IMPROVED GUN MOUNT SYSTEM

COMMON DIGITAL COCKPIT





- NEW PRODUCTION 234 A/C
- REMANUFACTURE OF 9 A/C
- REPLACES SH-60B/F
- IOC FY05
- INCREASED SURFACE WARFARE, UNDERSEA WARFARE, COMMAND AND CONTROL CAPABILITIES

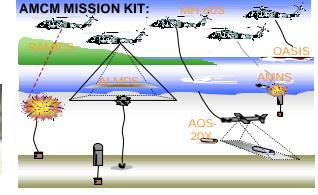


COTS ACOUSTIC

PROCESSOR



M-299 LAUNCHER

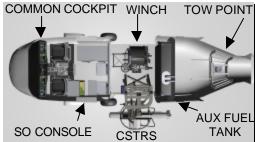


TURRET UNIT (WRA-1)



FLIR

MULTI-MODE RADAR



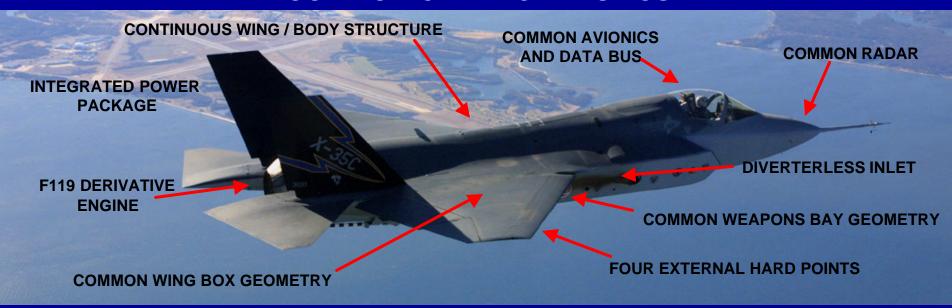
- NEW PRODUCTION of 237 A/C
- VERTREP IOC FY 02
- 5000 + LBS INTERNAL / EXTERNAL CARGO
- FULLY INTEGRATED GLASS COCKPIT AND MISSION SENSOR SUITE





LOCKHEED MARTIN X-35 JOINT STRIKE FIGHTER

COMMON CHARACTERISTICS



SERVICE TAILORING



- LIFT FAN
- 3 BEARING SWIVEL NOZZLE
- MISSIONIZED GUN



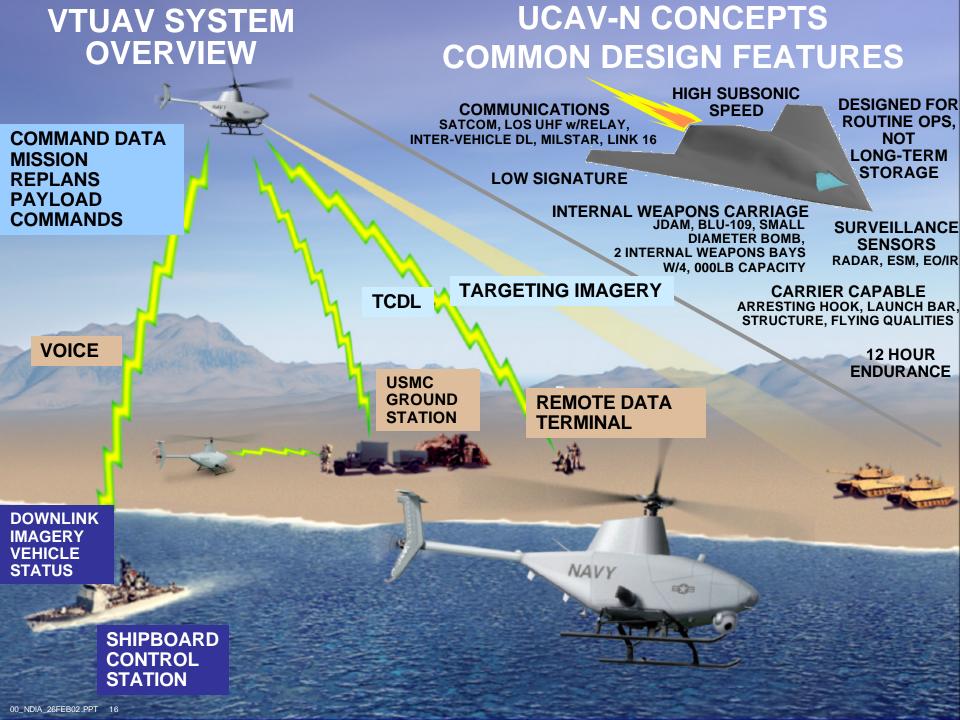
CTOL

- LO AXI NOZZLE
- INTERNAL GUN



CV

- WING TIP FOLD
- HIGHER STRENGTH GEAR
- UNIQUE CONTROL SURFACES
- MISSIONIZED GUN





JOINT DIRECT ATTACK MUNITIONS



- ACCURATE GUIDANCE CAPABILITY IN ADVERSE WEATHER
- INTEGRATED ON EXISTING UNGUIDED WEAPONS
- LOW UNIT COST
- IN-FLIGHT CAPTIVE CARRIAGE RETARGETING CAPABILITY
- COMPATIBLE WITH F/A-18 C/D/E/F, F-14B/D, AV-8B, S-3, P-3
- 70+ OPERATIONAL DROPS





- COMMON AIRFRAME (TRUCK)
 - GPS AIDED INS NAVIGATION
 - SURVIVABLE (SOPD/LO)
- FLEXIBLE MISSION
 - BLU 97 SUBMUNITIONS (
 - BLU-108 SUBMUNITIONS
 - BROACH UNITARY
 - I²R TERMINAL GUIDANCE
- (FRP)
- (LRIP)
- (E&MD)
- (E&MD)

- PREPLANNED / SELF / 3RD PARTY TARGETING
- PROPOSED LINK-16
 - BHI
 - MOVING TARGET ACCURACY
 - AIM POINT SWEETENING



